

THCAA-A

TESTER, HIGH CURRENT

1. GENERAL. This procurement requires a high current test set designed to test overload relays, circuit breakers, trip devices, current transformers and panel board ammeters.

2. CLASSIFICATION. Type II, Class 5, Style E, and Color R in accordance with MIL-T-28800 for shipboard applications.

3. OPERATIONAL REQUIREMENTS. The equipment shall be capable of operation within the minimum specifications outlined below. The equipment shall be provided with a built-in digital ammeter and timer.

3.1 Current rating. 750A minimum.

3.2 Voltage rating. 120V minimum.

3.3 Ammeter. 3-1/2 digits.

3.3.1 Accuracy. $\pm 1\%$ of reading ± 1 digit.

3.3.2 Memory. The ammeter shall be provided with a memory to measure and hold short duration current readings.

3.3.3 Range. 0 to 750A.

3.4 Timer. The timer shall start when the output is energized and stop when the device-under-test actuates.

3.4.1 Range. 0 to 1,000s.

3.4.2 Accuracy. $\pm 0.005\%$ of reading ± 1 digit.

4. GENERAL REQUIREMENTS.

4.1 Power source. MIL-T-28800 nominal power source requirements are invoked. Operation at 400 Hz is not required. Maximum power consumption: 1200W.

4.2 Weight. 20 kg (44 lb) maximum.

4.3 Lithium batteries. Per MIL-T-28800, lithium batteries are prohibited without prior authorization. A request for approval for the use of lithium batteries, including those encapsulated in integrated circuits, shall be submitted to the procuring activity at the time of submission of proposals. Approval shall apply only to the specific model proposed.

4.4 Accessories. Timer control circuit leads and high current leads.